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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/557,143	04/25/2000	Jeff A. Zimniewicz	203991	9311

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EXAMINER

STEELMAN, MARY J

ART UNIT	PAPER NUMBER
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2122

DATE MAILED: 12/02/2003

12

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/557,143

Applicant(s)

ZIMNIEWICZ, JEFF A.

Examiner

Mary J. Steelman

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 April 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-15 are pending.

Claim Objections

2. Claim 11 recites "...contains a textural reference..." should be --...contains a textual reference....-- Delete the 'r'.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent 6,259,447 to Kanetake et al.

Per claim 1:

-providing a text based setup data file having at least one section containing a display order textual listing of the UI screens; providing a text editor and editing the display order textual listing of the UI screens in the setup data file using the text editor. (See figure 8, #801, Screen ID, #871, Previous Screen, and #873, Next Screen. Also, col. 3, lines 20-21, "...an operation is capable of recording screen specifying data..." Col. 17, line 63 – col. 18, line 25, "...register information for monitoring/controlling automatic execution into the screen/procedure registration library...record screen specifying information (e.g., a screen number...) for each screen

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appearing in an application...normal processing, three different types of data...is registered into the system...exceptional screen...two different types of data ...is registered...special procedure in preparation for appearance of an unexpected screen...input variable data is registered into the system...” Col. 19, lines 55-58, “These normal processing screen/procedure data, exceptional processing screen/procedure data, and special processing procedure data may be manually modified by a text editor...”)

Per claim 2:

-display order textual listing includes a plurality of individual UI screen identifiers, and wherein said step of editing comprises the step of deleting at least one of the plurality of individual UI screen identifiers. (Col. 19, lines 55-58, “These normal processing screen/procedure data, exceptional processing screen/procedure data, and special processing procedure data may be manually modified by a text editor...” Also, col. 20, lines 24-27, “The screen identifier is provided for enabling understanding of registration content when an operator carries out a registration work or modifies a registered content.”)

Per claims 3-5:

-display order textual listing includes a plurality of individual UI screen identifiers listed in a first order, and wherein said step of editing comprises the step of reordering the individual UI screen identifiers to a second order / step of adding a new UI screen identifier / step replacing the plurality of individual UI screen identifiers with a new textual listing of screen identifiers. (See

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fig. 7, #701 & #801. Screen number, screen identifier. Modifications (reordering / adding / replacing) are made through the registration process.)

Per claims 6 & 7:

-providing a dynamic link library (dll) / executable (EXE) file defining a UI screen, and wherein said step of editing comprises the step of inserting a textual reference to the dll in the display order textual listing. (Fig. 2, #130, Screen / Procedure Registration Library. Also, col. 17, lines 65-67, "...it is necessary...to register information for monitoring/controlling automatic execution into the screen/procedure registration library." Also, col. 24, lines 60-65, "...normal screen specifying data "i" is extracted from the screen/procedure registration library, and this is compared...If they do not match, a exception screen processing routine...is executed." A registration library holds procedures (dlls / execution files). A normal routine may be processed or an exception routine may be processed.)

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 8 - 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 6,259,447 to Kanetake et al., and further in view of US Patent 6,360,365 to Curtis.

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Per claim 8:

Kanetake disclosed, (Abstract, lines 6), “For each screen appearing in an application to be automatically executed, information for specifying the screen (e.g., a screen number...) is recorded...to confirm that the automatic execution is being carried out in accordance with a predetermined procedure.” Kanetake disclosed a UI screen template feature (figs. 2-5) for use when encountering normal, exceptional, or special processing. A screen number is specified (fig. 7 & col. 20, lines 21-38) during the “template” registration process. Col. 3, lines 24-26, “...information processing that is executed based on a plurality of normal processing screen specifying data items that are stored in an ordered sequence (display order textual listing)...” Kanetake failed to disclose a suite installation program.

However, Curtis disclosed, (col. 3, lines 55-59), “...at least one file set including install objects to install a computer program is provided...The install objects are processed to install the computer program...” Also, col. 5, lines 28-45, “A script...is used to run the install engine. Within the script there are the following...a state machine. Within the state machine, there are various state such as a welcome state, a destination state, a copy state...the state machine is executed...Within any given state there are several objects. There are ...GUI panels...”

Therefore, it would have been obvious, to one of ordinary skill in the art, at the time of the invention, to have modified Kanetake’s invention to sequence desired screens, by including the sequenced GUI panels required for a suite installation, as disclosed by Curtis because a suite installation is merely a limited example of one of Kanetake’s automatically executing applications.

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Per claim 9:

Kanetake disclosed, a “text based setup database” file to handle Normal, Exceptional or Special situations (figs. 3-6). Kanetake disclosed, “The database file including a display order textual” (col. 17, lines 65-67, “...register information for monitoring/controlling automatic execution into the screen/procedure registration library”). Kanetake disclosed “specific user interface screens to be displayed during installation”, (col. 23, lines 3-6, “...if no exceptional screen appears, and screens “A1 to AN” registered as normal processing successively appear, input variable data registered (specific screens) as normal processing is sequentially sent toward the host machine...”)) Kanetake failed to disclose a suite installation program.

However, Curtis disclosed “plurality of components bundled in a suite” (col. 3, lines 55-60), “...at least one file set including install objects to install a computer program...”

Therefore, it would have been obvious, to one of ordinary skill in the art, at the time of the invention, to have modified Kanetake’s invention to send specific sequenced screens, to include the feature of a suite installation, as disclosed by Curtis because a suite installation is merely a limited example of one of Kanetake’s automatically executing applications.

Per claims 10 & 11:

-at least one dynamic link library (dll) / executable (EXE) file defining a UI screen, and wherein said display order textual listing contains a textual reference to said dll. (Fig. 2, #130, Screen / Procedure Registration Library. Also, col. 17, lines 65-67, “...it is necessary...to register information for monitoring/controlling automatic execution into the screen/procedure registration library.” Also, col. 24, lines 60-65, “...normal screen specifying data “i” is extracted from the

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screen/procedure registration library, and this is compared...If they do not match, a exception screen processing routine...is executed.” A registration library holds procedures (dlls / execution files). A normal routine may be processed or an exception routine may be processed.)

Per claim 12:

- acquiring a textual listing of user interface screens for each of a plurality of applications in a suite that are to be installed;
- acquiring the user interface screens identified by the textual listing;
- displaying the user interface screen identified by the textual listing for each of the application in the suite that are to be installed.

Kanetake required registration of data for normal, exceptional or special processing. Col. 18, lines 31-35, “...the normal processing screen/procedure data manages screen specifying data...for each service ID and for each sequence number...of screen to be outputted...The screen specifying data has information for specifying a screen.” Col. 23, lines 2-6, “...if no exceptional screen appears, and screens “A1” to “AN” registered as normal processing successively appear, input variable data registered as normal processing is sequentially sent toward the host machine...”

Kanetake failed to disclose a suite installation using ordered GUI screens. However, Curtis disclosed a suite installation, using stored display information.

Therefore, it would have been obvious, to one of ordinary skill in the art, at the time of the invention to modify Kanetake’s invention to include an ordered GUI suite installation because it is merely a more specific application that that disclosed by Kanetake.

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Per claim 13:

-step of acquiring the user interface screens comprises the step of acquiring user interface screen templates provided by an installation application. (See figs. 3, 4, 5, and 6 regarding Normal, Exceptional and Special (template) processing for GUI applications. Col. 24, line 59- col. 25, line 6, "Then, using a value of the service ID received from the client machine and a value of "i", normal screen specifying data "i" is extracted from the screen/procedure registration library, and this is compared with the screen data received from the terminal emulator. If they do not match, a exception screen processing routine is executed. If they match...Next an input variable "i" is sent toward the host machine comparison/determination means..." Also, col. 25, line 19, "...exceptional screen processing routine...executed when...the normal screen specifying data "i" does not match...special processing routine is executed..."

Per claims 14 & 15:

-step of acquiring the user interface screens comprises the step of acquiring at least one user interface screen dynamic link library defining at least one user interface screen. (Fig. 2, #130, Screen / Procedure Registration Library. Also, col. 17, lines 65-67, "...it is necessary...to register information for monitoring/controlling automatic execution into the screen/procedure registration library." Also, col. 24, lines 60-65, "...normal screen specifying data "i" is extracted from the screen/procedure registration library, and this is compared...If they do not match, a exception screen processing routine...is executed." A registration library holds procedures (dlls

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/ execution files). A normal routine may be processed or an exception routine may be processed.)

Response to Arguments

7. Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent 6,621,505 to Beauchamp et al. (Standardized interface screen may be linked together in predetermined orders. Meta data may provide data to a screen rendering process.)

US Patent 5,712,993 to Ichikawa. (GUI creation using templates and text editing of control definition files.)

US Patent 5,530,961 to Janay et al. (Display information received from a remote host in a variety of ways, which may be customized by the user.)

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mary Steelman, whose telephone number is (703) 305-4564. The examiner can normally be reached Monday through Thursday, from 7:00 A.M. to 5:30 P.M. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Dam can be reached on (703) 305-4552.

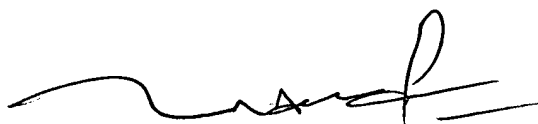
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The fax phone numbers are (703) 872-9306 for regular communications and for After Final communications. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Mary Steelman



11/24/2003



TUAN DAM
SUPERVISORY PATENT EXAMINER